

Serial Number: 09/828,505

CRF Processing Date: _____
 Edited by: _____
 Verified by: _____ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/828,505

DATE: 05/01/2001
TIME: 18:01:10

Input Set : A:\Cpg.pto

Output Set: N:\CRF3\05012001\I828505.raw

```

4 <110> APPLICANT: Raz, Eyal
5     Takabayashi, Kenji
6     Nguyen, Minh-Duc
9 <120> TITLE OF INVENTION: Synergistic Improvements to
10    Polynucleotide Vaccines
12 <130> FILE REFERENCE: 6510-203
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/828,505
C--> 14 <141> CURRENT FILING DATE: 2001-04-06
14 <150> PRIOR APPLICATION NUMBER: 60/195,890
15 <151> PRIOR FILING DATE: 2000-04-07
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 22
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Immunomodulatory nucleic acid sequence
29 <400> SEQUENCE: 1                                22
30 tgactgtgaa cggtcgagat ga
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 22
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Control nucleic acid sequence
40 <400> SEQUENCE: 2                                22
41 tgactgtgaa gggtcgagat ga
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 1137
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: hssHADelta36Ambal nucleic acid sequence
51 <400> SEQUENCE: 3
52 atgaaggcta agctgctggt cctcctttgc gccctgagcg ctaccgacgc agatgagaca      60
53 aggcgcttga ctacctccgg agcttacaac attattgatg gctgttgag ggggaaggca      120
54 gattgggccc aaaaccgcaa ggcactggct gactgtgccc aagggttttg caaaggtacc      180
55 gtcggtggca aggacggaga catttacacc gtcacctccg agctcgacga cgatgttgct      240
56 aaccccaagg agggcacact cagatttggg gccgcccaga acaggcccct gtggatcatt      300
57 ttcgagcgcg acatgggtcat ccgcctggac aaggagatgg tcgtgaactc tgacaaaact      360
58 attgacggca gaggggctaa agttgagatt attaatgcag gattcacatt gaacggcggtg      420
59 aagaatgtga tcatccacaa tattaacatg cagcagctca aagtgaatcc cggcggttg      480
60 atcaagagca acgacggacc cgctgcccc agagctggct ctgacgggta cgctatctct      540
61 atttctggca gcagccagat ctggatcgac cactgcagcc tgtctaaatc tgtggatggc      600
62 ctggtggacg ccaaattggg aaccactagg ctgaccgtca gcaattctct cttcacacag      660
63 caccaattcg tcctgttgtt cggggcaggg gatgagaata tcgaagatag aggtatgctg      720

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/828,505

DATE: 05/01/2001

TIME: 18:01:10

Input Set : A:\Cpg.pto

Output Set: N:\CRF3\05012001\I828505.raw

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64 gctacagtgg ccttcaacac cttcacccgat aatgtggacc agaggatgcc aagggtgtcgc 780
65 cacgggttct tccaggtggt gaataacaac tacgataagt ggggctccta cgctattggt 840
66 ggctccgcta gtccaactat cctcagccag ggcaatcgct tctgtgcacc cgacgagagg 900
67 tctaagaaga acgttctggg gagacacggt gaggccgccg ccgagtccat gaagtggaaac 960
68 tggcgcacaa acaaggacgt gcttgaaaat ggcgcaattt tcgttgccag cggggtggac 1020
69 ccagttctca ccccagaaca aagcgtggt atgatccccg ccgagcctgg ggagtcgcc 1080
70 ctgagcctca catcttccgc tgggtgtctg tcttgccagc ctggcgctcc ctgttga 1137
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Control nucleic acid sequence
80 <400> SEQUENCE: 4
81 tgactgtgaa ggtagagat ga 22
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/828,505

DATE: 05/01/2001

TIME: 18:01:11

Input Set : A:\Cpg.pto

Output Set: N:\CRF3\05012001\I828505.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/828,505

DATE: 04/23/2001
TIME: 13:08:26

Input Set : A:\SEQLIST.txt
Output Set: N:\CRF3\04232001\I828505.raw

4 <110> APPLICANT: Raz, Eyal
5 Takabayashi, Kenji
6 Nguyen, Minh-Duc
9 <120> TITLE OF INVENTION: Synergistic Improvements to
10 Polynucleotide Vaccines
12 <130> FILE REFERENCE: 6510-203
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/828,505
C--> 14 <141> CURRENT FILING DATE: 2001-04-06
14 <150> PRIOR APPLICATION NUMBER: 60/195,890
15 <151> PRIOR FILING DATE: 2000-04-07
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

72 <210> SEQ ID NO: 4
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Control nucleic acid sequence
80 <400> SEQUENCE: 4
81 tgactgtgaa ggtagagat ga

22

E--> 85 1

→ Delete extraneous numeral from the
end of the file. It is causing
processing errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/828,505

DATE: 04/23/2001

TIME: 13:08:27

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04232001\I828505.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:85 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:22 SEQ:4